

Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Sample Career Specialties/Occupations	 Assembler Automated Manufacturing Technician Bookbinder Calibration Technician Electrical Installer and Repairer Electromechanical Equipment Assembler Extruding and Drawing Machine Setter/Set-Up Operator Extrusion Machine Operator Foundry Worker Grinding, Lapping, and Buffing Machine Operator Hand Packers and Packager Hoist and Winch Operator Instrument Maker Large Printing Press Machine Setter and Set-Up Operator Machine Operator Manager, Supervisor Medical Appliance Maker Milling Machine Setter, Set-Up Operator Millwright Operator, Tender, Cutter/Brazer, Solderer, Machine Operator Painter Pattern & Model Maker Precision Layout Worker Precision Optical Goods Worker Production Associate Sheet Metal Worker Solderer and Brazer Tool and Die Maker Welder 	 Design Engineer Electrical and Electronics Technician and Technologist Electronics Engineer Engineering and Related Technician and Technician Technician Industrial Engineer Labor Relations Manager Manufacturing Engineer Manufacturing Technician Power Generating and Reactor Plant Operator Precision Inspector, Tester, and Grader Process Improvement Technician Production Manager Purchasing Agent Supervisor 	Biomedical Equipment Technician Boilermaker Communication System Installer/Repairer Computer Installer/Repairer Computer Maintenance Technician Electrical Equipment Installer/Repairer Facility Electrician Industrial Electronic Installer/Repairer Industrial Machinery Mechanic Industrial Maintenance Electrician Industrial Maintenance Technician Industrial Maintenance Mechanic Instrument Calibration and Repairer Instrument Control Technician Job/Fixture Designer Laser Systems Technician Maintenance Repairer Major Appliance Repairer Meter Installer/Repairer Millwright Plumber, Pipefitter and Steanfitter Security System Installer/Repairer	 Calibration Technician Inspector Lab Technician Process Control Technician Quality Control Technician Quality Engineer SPC Coordinator 	 Communications, Transportation and Utilities Manager Dispatcher Freight, Stock, and Material Mover Industrial Truck and Tractor Operator Logistical Engineer Logistician Material Associate Material Handler Material Mover Process Improvement Technician Quality Control Technician Traffic Manager Traffic, Shipping, and Receiving Clerk 	 Environmental Engineer Environmental Specialist Health and Safety Representative Safety Coordinator Safety Engineer Safety Team Leader Safety Technician
Pathways	Production	Manufacturing Production Process Development	Maintenance, Installation & Repair	Quality Assurance	Logistics & Inventory Control	Health, Safety and Environmental Assurance
Cluster K & S	Cluster Knowledge and Skills ◆ Academic Foundations ◆ Communications ◆ Problem Solving and Critical Thinking ◆ Information Technology Applications ◆ Systems ◆ Safety, Health and Environment ◆ Leadership and Teamwork ◆ Ethics and Legal Responsibilities ◆ Employability and Career Development ◆ Technical Skills					

